American Journal of Hypertension

JOURNAL OF THE AMERICAN SOCIETY OF HYPERTENSION

CUMULATIVE CONTENTS

NUMBER 1, JANUARY 1995

ORIGINAL CONTRIBUTIONS

1 **Hyperinsulinemia and Insulin Resistance Are Associated With Preeclampsia in African-Americans**
James R. Sowers, Abdelaziz A. Saleh, and Robert J. Sokol

5 **Digitalis-Like Factor and Digoxin-Like Immunoreactive Factor in Diabetic Women With Preeclampsia, Transient Hypertension of Pregnancy, and Normotensive Pregnancy**
Steven W. Graves, Kim Lincoln, Sandra L. Cook, and Ellen W. Seely

12 **Relationship of Insulin, Race, and Hypertension With Hemodynamic Reactivity to a Behavioral Challenge**
Richard A. Nelesen, Joel E. Dimsdale, Paul J. Mills, and Michael G. Ziegler

20 **Long-Term Stability of Blood Pressure and Pressor Reactivity to Mental Stress in Borderline Hypertension**
Sverker Jern, Ulrika Wall, and Anders Bergbrant

29 **Cardiac Implications of the Morning Surge in Blood Pressure in Elderly Hypertensive Patients: Relation to Arising Time**
Iwao Kuwajima, Kenichi Mitani, Mariko Miyao, Yasuko Suzuki, Kizuku Kuramoto, and Toshio Ozawa

34 **Postprandial Intestinal-Derived Chylomicron and Chylomicron Remnants in Essential Hypertensive Patients Before and After Prolonged Captopril Therapy**
Adrian Iaina, Donald S. Silverberg, Yoram Wollman, Rachel Judevics, Roni Baruch, Carol Levhar, Gari Peer, Miriam Blum, Itamar Grosskopf, and Moshe S. Weintraub

40 **Circulating Endothelin-1 Levels in Lean Non–Insulin-Dependent Diabetic Patients: Influence of ACE Inhibition**
Claudio Ferri, Oriana Laurenti, Cesare Bellini, Maria Rita Cassone Faldetta, Giuliana Properzi, Anna Santucci, and Giancarlo De Mattia

48 **Increased Basal Arterial Smooth Muscle Glucose Transport in the Zucker Rat**
Paul R. Standley, Kelly A. Rose, and James R. Sowers

53 **Comparison of Effects of ACE Inhibition With Calcium Channel Blockade on Renal Disease in a Model Combining Genetic Hypertension and Diabetes**
Jonathan R. Rumble, Austin E. Doyle, and Mark E. Cooper

© 1995 by the American Journal of Hypertension, Ltd.

0895-7061/95/$9.50

American Journal of Hypertension

JOURNAL OF THE AMERICAN SOCIETY OF HYPERTENSION

CUMULATIVE CONTENTS

NUMBER 1, JANUARY 1995

ORIGINAL CONTRIBUTIONS

1 **Hyperinsulinemia and Insulin Resistance Are Associated With Preeclampsia in African-Americans**
James R. Sowers, Abdelaziz A. Saleh, and Robert J. Sokol

5 **Digitalis-Like Factor and Digoxin-Like Immunoreactive Factor in Diabetic Women With Preeclampsia, Transient Hypertension of Pregnancy, and Normotensive Pregnancy**
Steven W. Graves, Kim Lincoln, Sandra L. Cook, and Ellen W. Seely

12 **Relationship of Insulin, Race, and Hypertension With Hemodynamic Reactivity to a Behavioral Challenge**
Richard A. Nelesen, Joel E. Dimsdale, Paul J. Mills, and Michael G. Ziegler

20 **Long-Term Stability of Blood Pressure and Pressor Reactivity to Mental Stress in Borderline Hypertension**
Sverker Jern, Ulrika Wall, and Anders Bergbrant

29 **Cardiac Implications of the Morning Surge in Blood Pressure in Elderly Hypertensive Patients: Relation to Arising Time**
Iwao Kuwajima, Kenichi Mitani, Mariko Miyao, Yasuko Suzuki, Kizuku Kuramoto, and Toshio Ozawa

34 **Postprandial Intestinal-Derived Chylomicron and Chylomicron Remnants in Essential Hypertensive Patients Before and After Prolonged Captopril Therapy**
Adrian Iaina, Donald S. Silverberg, Yoram Wollman, Rachel Judevics, Roni Baruch, Carol Levhar, Gari Peer, Miriam Blum, Itamar Grosskopf, and Moshe S. Weintraub

40 **Circulating Endothelin-1 Levels in Lean Non–Insulin-Dependent Diabetic Patients: Influence of ACE Inhibition**
Claudio Ferri, Oriana Laurenti, Cesare Bellini, Maria Rita Cassone Faldetta, Giuliana Properzi, Anna Santucci, and Giancarlo De Mattia

48 **Increased Basal Arterial Smooth Muscle Glucose Transport in the Zucker Rat**
Paul R. Standley, Kelly A. Rose, and James R. Sowers

53 **Comparison of Effects of ACE Inhibition With Calcium Channel Blockade on Renal Disease in a Model Combining Genetic Hypertension and Diabetes**
Jonathan R. Rumble, Austin E. Doyle, and Mark E. Cooper

© 1995 by the American Journal of Hypertension, Ltd.

0895-7061/95/$9.50

58 **In Vivo Pharmacology of a Novel AT_1 Selective Angiotensin II Receptor Antagonist, MK-996**
Salah D. Kivlighn, Gloria J. Zingaro, Robert A. Gabel, Theodore P. Broten, Terry W. Schorn, Linda W. Schaffer, Elizabeth M. Naylor, Prasun K. Chakravarty, Arthur A. Patchett, William J. Greenlee, and Peter K.S. Siegl

67 **Development of Structural Vascular Changes With Subpressor Angiotensin II Administration in Rats**
Geza Simon, Gabor Cserep, and Catherine Limas

74 **Effect of Green Tea Rich in γ-Aminobutyric Acid on Blood Pressure of Dahl Salt-Sensitive Rats**
Yasuhiko Abe, Satoshi Umemura, Koh-ichi Sugimoto, Nobuhito Hirawa, Yoshio Kato, Nobuyuki Yokoyama, Tomoko Yokoyama, Junichi Iwai, and Masao Ishii

BRIEF COMMUNICATIONS

80 **Effect of Alcohol Consumption Versus Abstinence on 24-h Blood Pressure Profile in Normotensive Alcoholic Patients**
Giuseppe Maiorano, Francesco Bartolomucci, Vincenzo Contursi, Egidio Saracino, and Ernesto Agostinacchio

82 **Platelet Membrane Fluidity and Platelet Membrane Lipid Pattern in Essential Hypertension**
Gregorio Caimi, Rosalia Lo Presti, Maria Montana, Antonino Contorno, Baldassare Canino, Anna Catania, Antonio Sarno, and Giovanni Cerasola

87 **Sustained Blood Pressure Control With Controlled-Release Isradipine**
Steven G. Chrysant and Michael Cohen

90 **Segment-Specific Effect of Chloride Channel Blockade on Rat Renal Arteriolar Contractile Responses to Angiotensin II**
Pamela K. Carmines

95 **Angiotensin I Converting Enzyme (ACE) Gene Polymorphism and Essential Hypertension in Japan: Ethnic Difference of ACE Genotype**
Tomoaki Ishigami, Tamio Iwamoto, Kouichi Tamura, Satoshi Yamaguchi, Kan Iwasawa, Kazuaki Uchino, Satoshi Umemura, and Masao Ishii

LETTER TO THE EDITOR

98 **Duration of Cough Following Cessation of ACE Inhibitor Therapy**
Gregory Y.H. Lip, John Zarifis, Michéle Beevers, D. Gareth Beevers

NUMBER 2, FEBRUARY 1995

ORIGINAL CONTRIBUTIONS

99 **Hyperinsulinemia and Hypertension: Do Intestinal Hormones Play a Role?**
Rinaldo Tedde, Antonella Pala, Alessandra Melis, Giovanni Sechi, Ferruccio Bilotta, and Giuseppe Realdi

104 **Blunted Attenuation of Angiotensin II-Mediated Ca^{2+} Transients by Insulin in Cultured Unpassaged Vascular Smooth Muscle Cells From Spontaneously Hypertensive Rats**
Rhian M. Touyz, Barbara Tolloczko, and Ernesto L. Schiffrin

113 **Effects of Intensified Blood-Pressure Reduction on Renal Function and Albumin Excretion in Primary Hypertension: Addition of Felodipine or Ramipril to Long-Term Treatment With β-Blockade**
Annica Siewert-Delle, Susanne Ljungman, Marianne Hartford, and John Wikstrand

124 **Association of Increased Erythrocyte Na^+/H^+ Exchanger With Renal Na^+ Retention in Patients With Essential Hypertension**
Javier Díez, Amalia Alonso, Ana Garciandía, Rafael López, Carlos Gómez-Alamillo, Arantxa Arrázola, and Antonia Fortuño

133 **Combined Terazosin and Verapamil Therapy in Essential Hypertension: Hemodynamic and Pharmacokinetic Interactions**
Matthew L. Lenz, James L. Pool, Atul R. Laddu, Abraham Varghese, Walter Johnston, and Addison A. Taylor

146 **Assessment of Blood Pressure During Naproxen Therapy in Hypertensive Patients Treated With Nicardipine**
David K. Klassen, Lee Hwa Jane, Donald Y. Young, and Craig A. Peterson

154 **Left Ventricular Anatomy and Function in Normotensive Young Adults With Hypertensive Parents: Study at Rest and During Handgrip**
Anna M. Grandi, Luigi Poletti, Franco Tettamanti, Giorgio Finardi, and Achille Venco

160 **Transforming Growth Factor-β_1 Proliferated Vascular Smooth Muscle Cells From Spontaneously Hypertensive Rats**
Motohiko Sato, Yoshinobu Ohsaki, and Katsuyuki Tobise

167 **Renal Hypertensive Angiopathy: Comparison Between Chronic NO Suppression and DOCA-Salt Intoxication**
Yichun Xu, Jean-François Arnal, Nicole Hinglais, Marie-Dominique Appay, Irene Laboulandine, Jean Bariety, and Jean-Baptiste Michel

177 **Differential Sodium Regulation Between Salt-Sensitive and Salt-Resistant Sabra Rats Is Not Due to Any Mutation in the Renal α_2B-Adrenoceptor Gene**
Mireille Le Jossec, Jean-François Cloix, René Pecquery, Yves Giudicelli, and Jean-Pierre Dausse

183 **Left Ventricular Mass Index Negatively Correlates With Heart Rate Variability in Essential Hypertension**
Katsuhiko Kohara, Naoko Hara-Nakamura, and Kunio Hiwada

BRIEF COMMUNICATIONS

189 **Department of Veterans Affairs Single-Drug Therapy of Hypertension Study: Revised Figures and New Data**
Barry J. Materson, Domenic J. Reda, and William C. Cushman for the Department of Veterans Affairs Cooperative Study Group on Antihypertensive Agents

193 **Gender, Day-Night Blood Pressure Changes, and Left Ventricular Mass in Essential Hypertension: Dippers and Peakers**
Paolo Verdecchia, Giuseppe Schillaci, Claudia Borgioni, Antonella Ciucci, Nicola Sacchi, Massimo Battistelli, Massimo Guerrieri, Elio Comparato, and Carlo Porcellati

197 **Effects of Estradiol and Progesterone on Platelet Calcium Responses**
Bharat B. Raman, Paul R. Standley, Venkatraman Rajkumar, Jeffrey L. Ram, James R. Sowers

201 **Twenty-Four-Hour Blood Pressure Changes in Young Somalian Blacks After Migration to Italy**
Pietro Amedeo Modesti, Carlo Tamburini, Mohamed Isse Hagi, Ilaria Cecioni, Angela Migliorini, and Gian Gastone Neri Serneri

206 **Factors Associated With Medication Noncompliance in Rural Elderly Hypertensive Patients**
Christopher G. McLane, Stephen J. Zyzanski, and Susan A. Flocke

REVIEWS

210 **American National Standard for Nonautomated Sphygmomanometers: Summary Report**
L. Michael Prisant, Bruce S. Alpert, Carroll B. Robbins, Alan S. Berson, Michael Hayes, Myron L. Cohen, and Sheldon G. Sheps

214 **Trough-to-Peak Ratio and 24-Hour Blood Pressure Control: Methodologic Issues**
Martin G. Myers

220 ERRATUM

NUMBER 3, MARCH 1995

ORIGINAL CONTRIBUTIONS

221 **Magnetic Resonance Imaging Compared to Echocardiography to Assess Left Ventricular Mass in the Hypertensive Patient**
Peter B. Bottini, Albert A. Carr, L. Michael Prisant, Fred W. Flickinger, Jerry D. Allison, and John S. Gottdiener

229 **Progressive Improvement in the Structure of Resistance Arteries of Hypertensive Patients After 2 Years of Treatment With an Angiotensin I-Converting Enzyme Inhibitor: Comparison With Effects of a β-Blocker**
Ernesto L. Schiffrin, Li Yuan Deng, and Pierre Larochelle

237 **Comparison of Intrabrachial and Finger Blood Pressure in Healthy Elderly Volunteers**
Gerard A. Rongen, Willem Jan W. Bos, Jacques W.M. Lenders, Gert A. van Montfrans, Henk J.J. van Lier, Jeroen van Goudoever, Karel H. Wesseling, and Theo Thien

249 **Ambulatory Blood Pressure in Mild Hypertensive Women Taking Oral Contraceptives: A Case-Control Study**
Krzysztof Narkiewicz, Gian Rocco Graniero, Daniele D'Este, Mauro Mattarei, Pietro Zonzin, and Paolo Palatini

254 **Metoprolol Minimizes Nighttime Blood Pressure Dip in Hypertensive Black Males**
Julie A. Johnson, Wendell S. Akers, Stephen T. Miller, and William B. Applegate

260 **Stimulation of Aldosterone by ACTH in Normal and Hypertensive Pregnancy**
Mark A. Brown, Steven T.P. Thou, and Judith A. Whitworth

268 **Insulin Sensitivity, Sympathetic Activity, and Cardiovascular Reactivity in Young Men**
Andreas Moan, Gudmund Nordby, Morten Rostrup, Ivar Eide, and Sverre E. Kjeldsen

276 **The Effect of Enalapril With and Without Hydrochlorothiazide on Insulin Sensitivity and Other Metabolic Abnormalities of Hypertensive Patients With NIDDM**
A. Shamiss, J. Carroll, E. Peleg, E. Grossman, and T. Rosenthal

282 **Clinical Efficacy of Force Titrated Doses of Diltiazem Extended-Release: A Placebo Controlled Study**
Yves Lacourcière, Luc Poirier, Jean Lefebvre, and Robert G. Burford

287 **Alteration of Prejunctional α_2-Adrenergic Autoinhibition in DOCA-Salt Hypertension**
Pierre Moreau, Guy Drolet, Nobuharu Yamaguchi, and Jacques de Champlain

294 **In Situ Hybridization Shows Increased Endothelin-1 mRNA Levels in Endothelial Cells of Blood Vessels of Deoxycorticosterone Acetate-Salt Hypertensive Rats**
Robert Day, Richard Larivière, and Ernesto L. Schiffrin

301 **Dissociation of Cardiac Hypertrophy, Myosin Heavy Chain Isoform Expression, and Natriuretic Peptide Production in DOCA-Salt Rats**
Naoto Yokota, Benoit G. Bruneau, Belisario E. Fernandez, Mercedes L. Kuroski de Bold, Leonardo A. Piazza, Hoda Eid, and Adolfo J. de Bold

BRIEF COMMUNICATIONS

311 **Lack of Placebo Effect on Ambulatory Blood Pressure**
Giuseppe Mancia, Stefano Omboni, Gianfranco Parati, Antonella Ravogli, Alessandra Villani, and Alberto Zanchetti

316 **Enhancement of Insulin Sensitivity by Troglitazone Lowers Blood Pressure in Diabetic Hypertensives**
Toshio Ogihara, Hiromi Rakugi, Hiroshi Ikegami, Hiroshi Mikami, and Kazuko Masuo

321 **Maternal Environment Defines Blood Pressure and Its Response to Troleandomycin in Spontaneously Hypertensive Rats**
Ashish K. Basu, Rodney D. Hagley, Sidhartha S. Ghosh, Lora Kramer, Walter E. Nance, and Charles O. Watlington

REVIEW

325 **Calcium Channel Blockers: Is It Time to Split the Lump?**
Barry J. Materson

LETTERS TO THE EDITOR

330 **Regarding the JNC V Recommendations**
Editorial Introduction
Lawrence R. Krakoff
Expert Comments on the JNC V Consensus Guidelines
Eoin O'Brien
Relation of ASH to JNC V Editorials Clarified
Michael Alderman

The Report of Fifth Joint National Committee on the Detection, Evaluation, and Treatment of High Blood Pressure: A "Loose" Constructionist View
Henry R. Black
JNC V Neither Limited Nor Guided by Economics
Norman M. Kaplan
Authors' Reply
Louis Tobian, Hans R. Brunner, Jay N. Cohn, Haralambas Gavras, John H. Laragh, Barry J. Materson, Michael A. Weber, and John Swales

335 **High Fructose Diet and Blood Pressure**
Michael W. Brands

NUMBER 4, PART 1, APRIL 1995

ORIGINAL CONTRIBUTIONS

337 **Does Microalbuminuria Predict Cardiovascular Events in Nondiabetic Men With Treated Hypertension?**
Stefan Agewall, John Wikstrand, Susanne Ljungman, Hans Herlitz, and Björn Fagerberg, on behalf of the Risk Factor Intervention Study Group

343 **Distension Capacity of the Carotid Artery and Ambulatory Blood Pressure Monitoring: Effects of Age and Hypertension**
R.S. Cunha, A. Benetos, S. Laurent, M.E. Safar, and R.G. Asmar

353 **Effects of Angiotensin Receptor Antagonist and Angiotensin Converting Enzyme Inhibitor on Insulin Sensitivity in Fructose-Fed Hypertensive Rats and Essential Hypertensives**
Osamu Iimura, Kazuaki Shimamoto, Katsuhiro Matsuda, Atsushi Masuda, Hideki Takizawa, Katsuhiro Higashiura, Yoshinori Miyazaki, Akifumi Hirata, Nobuyuki Ura, and Motoya Nakagawa

358 **Overall Hemodynamic Studies After the Chronic Inhibition of Endothelial-Derived Nitric Oxide in Rats**
Min Huang, R. Davis Manning, Jr., Michael H. LeBlanc, and Robert L. Hester

365 **Effect of Chronic High Pressure on Transient and Tonic Vascular Contractions to Serotonin in Hypertension**
David R. Bell

375 **Pressor and Bradycardic Effects of Centrally Administered Relaxin in Conscious Rats**
Ren-Hui Yang, Stuart Bunting, J. Michael Wyss, Kathleen H. Berecek, Lin Zhang, and Hongkui Jin

382 **Left Ventricular Diastolic Filling in Diabetes Mellitus With and Without Hypertension**
Antonio Nicolino, Giancarlo Longobardi, Giuseppe Furgi, Michele Rossi, Nicoletta Zoccolillo, Nicola Ferrara, and Franco Rengo

390 **α_2-Adrenergic Receptor Gene Polymorphism and Hypertension in Blacks**
Warren Lockette, Sanjay Ghosh, Stephen Farrow, Steven MacKenzie, Scott Baker, Paul Miles, Anthony Schork, and Linda Cadaret

395 **Epidemiology of Hypertension in Kin-Hu, Kinmen**
Chen-Huan Chen, Hui-Ching Lin, Hsu-Sung Kuo, Mau-Song Chang, and Pesus Chou

404 **Attenuated Ca^{2+} Response to Acetylcholine in Endothelial Cells From Aorta of Aldosterone-Salt Hypertensive Rats**
Yu Liu, Allan W. Jones, and Michael Sturek

409 **Changes of Vascular Architecture Independent of Blood Pressure in Experimental Uremia**
K. Amann, R. Neusüβ, E. Ritz, T. Irzyniec, G. Wiest, and G. Mall

418 **Comparison of Moexipril, A New ACE Inhibitor, to Verapamil-SR as Add-On Therapy to Low Dose Hydrochlorothiazide in Hypertensive Patients**
Steven G. Chrysant, Alanna A.L. Fox, and Michael Stimpel

BRIEF COMMUNICATIONS

422 **The Relationship of Plasma Norepinephrine Levels and Aortic Distensibility in Elderly With Isolated Systolic Hypertension**
S. Paul Handa, Julia Wong, and Hermann K. Wolf

426 **Influence of Glucose Metabolism on Nycthemeral Blood Pressure Variability in Hypertensives With an Elevated Waist-Hip Ratio: A Link With Arterial Distensibility**
Jacques Amar, Bernard Chamontin, Magali Pelissier, Isabelle Garelli, and Michel Salvador

429 **Serum 25-Hydroxycholecalciferol Concentration in Newly Detected Hypertension**
Robert Scragg, Ian Holdaway, Vijay Singh, Patricia Metcalf, John Baker, and Evan Dryson

433 **Intrarenal Arterial Network Renin Content and Inhibition by EMD 58265**
Pauline C. Birt and Ben G. Zimmerman

LETTERS TO THE EDITOR

437 **White Coat Hypertension: Described More Than 250 Years Ago**
Björn Lemmer

437 **Reply to Dr Lemmer**
Thomas Pickering

NUMBER 4, PART 2, APRIL 1995

ASH X PROGRAM

1A **Special Symposia**
10A **Faculty Abstracts**

ORAL PRESENTATIONS

30A **Molecular Biology and Genetics**
32A **CNS Mechanisms in Hypertension**
34A **Social and Environmental Factors in Hypertension**
36A **Origins of the Hypertensive Phenotype**
38A **Renal Mechanisms in Hypertension**
40A **Outcomes, Hypertensive Disease, and Its Treatment**
42A **Heart and Blood Vessels**
44A **Clinical Pharmacology of Hypertensive Drugs**
46A **Clinical Hypertension**

POSTERS

48A **Genetics and Molecular Biology of Hypertension**
51A **Insulin, Metabolism, and Growth Factors**
60A **Integrative Physiology**
67A **Calcium Antagonists**
76A **Diuretics and Electrolytes**
78A **Health Care Management, Economics, and Outcome**
82A **Patient Evaluation and Management**
99A **Compliance/Adherence**
101A **Secondary Forms and Models**
105A **Renin/Angiotensin/Adrenal Hormones**
110A **Vessel Wall, Endothelium, and Autacoids**
122A **Cellular and Membrane Transport**
124A **Nervous Systems and Transmitters**
129A **Adrenergic Antagonists**
131A **Other Therapeutic Agents or Modalities**
136A **Treatment of Hypertension in Special Groups**
142A **Epidemiology and Prevention**
152A **Kidney, Body Fluids, and Salt Sensitivity**
164A **Heart, Natriuretic Peptide, and Circulatory Control**
175A **ACE Inhibition and Renin Angiotensin Antagonists**
186A **Clinical Trials**

198A INDEX TO ABSTRACT AUTHORS

NUMBER 5, PART 1, MAY 1995

ORIGINAL CONTRIBUTIONS

439 **Relationship Between Hemorheological Factors and Insulin Sensitivity in Normotensive and Hypertensive Premenopausal Women**
Gudmund Nordby, Andreas Moan, Sverre E. Kjeldsen, and Ingrid Os

445 **Insulin Versus Glipizide Treatment in Patients With Non–Insulin-Dependent Diabetes Mellitus: Effects on Blood Pressure and Glucose Tolerance**
Joseph Levy, Melissa Vandenberg, and George Grunberger

454 **Effect of Angiotensin Converting Enzyme Inhibitor (Lisinopril) on Insulin Sensitivity and Sodium Transport in Mild Hypertension**
Bonita Falkner, Mitzy Canessa, and Deborah Anzalone

461 **Comparison of the Hemodynamic and Metabolic Effects of Low-Dose Hydrochlorothiazide and Lisinopril Treatment in Obese Patients With High Blood Pressure**
G.M. Reaven, C. Clinkingbeard, J. Jeppesen, P. Maheux, D. Pei, J. Foote, C.B. Hollenbeck, and Y.-D.I. Chen

467 **Development and Characteristics of a New Strain of Obese Hyperinsulinemic and Hyperlipidemic Dahl Salt-Sensitive Rat: The Dahl Salt-Sensitive/NIH-Corpulent Rat**
Otho E. Michaelis IV, Manuel T. Velasquez, Andrew A. Abraham, Diane A. Servetnick, Daniel J. Scholfield, and Carl T. Hansen

474 **Genetic Influences on Ambulatory Blood Pressure Patterns: The Medical College of Virginia Twin Study**
Grant W. Somes, Gregory A. Harshfield, Bruce S. Alpert, Monica M. Goble, and Richard M. Schieken

479 **Spectral Characteristics of Heart Rate and Blood Pressure Variability in Primary Aldosteronism**
Franco Veglio, Remo Melchio, Franco Rabbia, Paola Molino, Gianpiero Martini, and Livio Chiandussi

487 **Effect of Antihypertensive Treatment on the Increased β_2-Adrenoceptor Density in Patients With Essential Hypertension**
Mariona Bono, Aleix Cases, Jordi Calls, Joan Gaya, Wladimiro Jiménez, Julio Carretero, Francisca Rivera, and Lluis Revert

494 **Additive Effects of Verapamil and Enalapril in the Treatment of Mild to Moderate Hypertension**
Jon H. Levine, Keith C. Ferdinand, Paul Cargo, Harriet Laine, and Martin Lefkowitz

500 **Acute Myocardial and Vascular Responses to Specific Angiotensin II Antagonism in the Spontaneously Hypertensive Rat**
Robert J. Cody, Philip F. Binkley, Garrie J. Haas, and Douglas M. Brown

509 **The Hypotensive Effect of an Oral Adenosine Analog With Selectivity for the A_2 Receptor in the Spontaneously Hypertensive Rat**
Yoram Yagil and Masaaki Miyamoto

516 **Cortisol Metabolism in Hypertensive Patients Who Do and Do Not Develop Hypokalemia From Diuretics**
Diana L. Santini, Beverly J. Lorenzo, Theo Koufis, and Marcus M. Reidenberg

BRIEF COMMUNICATIONS

520 **Altering Therapy of Type II Diabetes Mellitus From Insulin to Tolazamide Increases Blood Pressure in Spite of Weight Loss**
James K. Schmitt and Sylvia B. Johns

524 **Comparison of the Metabolic Changes in Rats With Hypertension Secondary to Fructose Feeding or Renal Artery Stenosis**
E. Dall'Aglio, P. Tosini, I. Zavaroni, G. Olivetti, and G.M. Reaven

528 **Doxazosin Lowers Blood Pressure and Improves Insulin Responses to a Glucose Load With No Changes in Tyrosine Kinase Activity or Insulin Binding**
Ligia J. Dominguez, Myron H. Weinberger, William T. Cefalu, David B. Jacobs, Mario Barbagallo, Mary F. Walsh, and James R. Sowers

533 **Multiple Standardized Clinic Blood Pressures May Predict Left Ventricular Mass as Well as Ambulatory Monitoring: A Metaanalysis of Comparative Studies**
Robert Fagard, Jan Staessen, Lutgarde Thijs, and Antoon Amery

LETTERS TO THE EDITOR

541 **Government Guidelines for Treatment of Hypertension**
J. David Spence

542 **New Zealand Core Services Committee Repeats Mistakes of JNC V**
M. Gary Nicholls and A. Mark Richards

542 **Comments on the *American Journal of Hypertension* Editorials Regarding the JNC V**
Marvin Moser

NUMBER 5, PART 2, MAY 1995

1S **Inhibition of the Angiotensin Converting Enzyme by Perindoprilat and Release of Nitric Oxide**
Barnabas Desta, Paul M. Vanhoutte, and Chantal M. Boulanger

7S **Prevention of Endothelial Dysfunction in Small and Large Arteries in a Model of Chronic Heart Failure: Effect of Angiotensin Converting Enzyme Inhibition**
Christian Thuillez, Paul Mulder, Lahcen Elfertak, Gérard Blaysat, Patricia Compagnon, Jean-Paul Henry, Vincent Richard, Elizabeth Scalbert, and Pierre Desche

13S **Impairment of Flow-Dependent Coronary Dilation in Hypertensive Patients: Demonstration by Cold Pressor Test Induced Flow Velocity Increase**
Alain Nitenberg, Isabelle Antony, Eduardo Aptecar, Florence Arnoult and Guy Lerebours

19S **Endothelium-Derived Hyperpolarizing Factors(s) and the Potentiation of Kinins by Converting Enzyme Inhibitors**
Jean-Vivien Mombouli and Paul Vanhoutte

28S **Endothelial Cell Signaling and Endothelial Dysfunction**
Nicholas A. Flavahan and Paul M. Vanhoutte

42S **Angiotensin Converting Enzyme Inhibitors and Endothelial Dysfunction**
Oscar A. Carretaro

NUMBER 6, JUNE 1995

ORIGINAL CONTRIBUTIONS

545 **Effect of Recombinant Human Erythropoietin Therapy on Ambulatory Blood Pressure in Normotensive and in Untreated Borderline Hypertensive Hemodialysis Patients**
Marcel Lebel, Iris Kingma, John H. Grose, and Serge Langlois

552 **Ethnic Differences in Hemodynamic Responses to Stress in Hypertensive Men and Women**
Andrew Sherwood, Christopher W. May, William C. Siegel, and James A. Blumenthal

558 **Absence of Black-White Differences in Sodium and Calcium in Platelets**
Richard S. Cooper and Charles N. Rotimi

565 **Yohimbine Effects on Blood Pressure and Plasma Catecholamines in Human Hypertension**
Natale R. Musso, Claudio Vergassola, Aldo Pende, and Gaetano Lotti

572 **The Effects of Short-Term Alcohol Intake on Clinic and Ambulatory Blood Pressure in Normotensive 'Social' Drinkers**
Christopher James O'Callaghan, Paddy Andrew Phillips, Henry Krum, and Laurence Guy Howes

578 **Efficacy and Tolerability of Losartan Potassium and Atenolol in Patients With Mild to Moderate Essential Hypertension**
Bjorn Dahlöf, Susan E. Keller, Lukas Makris, Allan I. Goldberg, Charles S. Sweet, and Nicholas Y. Lim

584 **Effects of Blood Pressure Reduction on the Elastic Profile of the Aortic Tree in Patients With Coronary Heart Disease**
Bernhard Heintz, Jürgen vom Dahl, Kai Roeber, Anke Doettger, Peter Hanrath, and Heinz-Günter Sieberth

591 **Prevalence of White Coat Effect in Treated Hypertensive Patients in the Community**
Martin G. Myers, Paul I. Oh, Richard A. Reeves, and Campbell D. Joyner

598 **Loss of Nocturnal Blood Pressure Fall After Liver Transplantation During Immunosuppressive Therapy**
Sandra J. Taler, Stephen C. Textor, Vincent J. Canzanello, Daniel J. Wilson, Russell H. Wiesner, and Ruud A. Krom

606 **Relative Androgenicity, Blood Pressure Levels, and Cardiovascular Risk Factors in Young Healthy Women**
Chris S. Mantzoros, Emmanuel I. Georgiadis, Rosalie Young, Cathryn Evangelopoulou, Sleman Khoury, Nicholas Katsilambros, and James R. Sowers

615 **Dietary Calcium Supplementation Restores Pressure Natriuresis Responses in Dahl-S Rats**
Tammy V. Butler, Joseph Cameron, and Kent A. Kirchner

BRIEF COMMUNICATIONS

622 **Effect of Long-Term Antihypertensive Therapy With Angiotensin Converting Enzyme Inhibitors on Red Cell Sodium Transport**
Alejandro de la Sierra, Raul Insa, Montserrat Compte, Antonio Martínez-Amenós, Cristina Sierra, Gonzalo Hernández-Herrero, and Antonio Coca

626 **Serum Sex Hormone Levels and Renin-Sodium Profile in Men With Hypertension**
Gerald B. Phillips, Tian-Yi Jing, John H. Laragh, and Jean E. Sealey

630 **Ambulatory Monitoring of Heart Rate and Blood Pressure During the First Week After Smoking Cessation**
Marcia M. Ward, Gary E. Swan, Lisa M. Jack, Harold S. Javitz, and John E. Hodgkin

REVIEWS

635 **Salt Intake and Hypertensive Renal Injury in African-Americans: A Therapeutic Perspective**
Matthew R. Weir

645 **Pressor and Subpressor Angiotensin II Administration: Two Experimental Models of Hypertension**
Geza Simon, Gyorgy Abraham, and Gabor Cserep

CASE REPORT

651 **Factitious Pheochromocytoma: Novel Mimickry by Valsalva Maneuver and Clues to Diagnosis**
Mala T. Kailasam, Robert J. Parmer, Richard A. Stone, Stewart Shankel, Brian P. Kennedy, Michael G. Ziegler, and Daniel T. O'Connor

LETTER TO THE EDITOR

656 **ABP Changes in Menstrual Cycle of Hypertensive Women: Data Reworked**
Eva A. Karpanou

NUMBER 7, JULY 1995

ORIGINAL CONTRIBUTIONS

657 **Essential Hypertension Predicted by Tracking of Elevated Blood Pressure From Childhood to Adulthood: The Bogalusa Heart Study**
Weihang Bao, Sam A. Threefoot, Sathanur R. Srinivasan, and Gerald S. Berenson

666 **Improved Classification of Dippers by Individualized Analysis of Ambulatory Blood Pressure Profiles**
Christoph D. Gatzka and Roland E. Schmieder

672 **The Effect of Sleep Intervals on Analysis of 24-h Ambulatory Blood Pressure Data**
Steven J. Rosansky, Sudeep J. Menachery, Christy M. Wagner, and Kirby Jackson

676 **Effects of Actual Versus Arbitrary Awake and Sleep Times on Analyses of 24-h Blood Pressure**
Aldo J. Peixoto Filho, George A. Mansoor, and William B. White

EDITORIAL

681 **How Should the Diurnal Changes of Blood Pressure Be Expressed?**
Thomas G. Pickering

ORIGINAL CONTRIBUTIONS

683 **Renin-Angiotensin-Aldosterone System, RR Interval, and Blood Pressure Variability During Postural Changes in Borderline Arterial Hypertension**
Daniel A. Duprez, Johan H. De Sutter, Marc L. De Buyzere, Ernst R. Rietzschel, Steven Rimbaut, Jean M. Kaufman, Marie-José Van Hoecke, and Denis L. Clement

689 **Variations in Magnesium and Zinc in Hypertensive Patients Receiving Different Treatments**
M. Angustias Rubio-Luengo, Antonia Maldonado-Martín, Blas Gil-Extremera, Luis González-Gómez, and Juan de Dios Luna del Castillo

696 **Effects of Alcohol Moderation on Blood Pressure and Intracellular Cations in Mild Essential Hypertension**
Shao-Tung Hsieh, Komei Saito, Tohru Miyajima, Chi-Mo Lin, and Mitsuhiro Yokoyama

704 **Effect of Dietary Counselling on Blood Pressure and Arterial Plasma Catecholamines in Primary Hypertension**
Sissel L. Beckmann, Ingrid Os, Sverre E. Kjeldsen, Ivar K. Eide, Arne S. Westheim, and Ingvar Hjermann

712 **Differential Effects of Felodipine and Nifedipine on 24-h Blood Pressure and Left Ventricular Mass**
Martin G. Myers, Frans H.H. Leenen, and Joanna Tanner

719 **Time-Dependent Effect of Isradipine on the Nocturnal Hypertension in Chronic Renal Failure**
Francesco Portaluppi, Luciana Vergnani, Roberto Manfredini, Ettore C. degli Uberti, and Carmelo Fersini

727 **The Efficacy and Tolerability of Enalapril in a Formulation With a Very Low Dose of Hydrochlorothiazide in Hypertensive Patients Resistent to Enalapril Monotherapy**
Sven Jørn Guul, Ingrid Os, and Antti J. Jounela

732 **High-Fructose Feeding Elicits Insulin Resistance Without Hypertension in Normal Mongrel Dogs**
E. Pamies-Andreu, Mary Fiksen-Olsen, Robert A. Rizza, and J.C. Romero

739 **Altered β-Adrenergic Regulation of Na-K-Cl Cotransport in Cultured Smooth Muscle Cells From the Aorta of Spontaneously Hypertensive Rats: Role of the Cytoskeleton Network**
Sergei N. Orlov, Johanne Tremblay, and Pavel Hamet

748 **Endothelin Synthesis by Porcine Inner Medullary Collecting Duct Cells: Effects of Hormonal and Osmotic Stimuli**
Iris Migas, Angela Bäcker, Harald Meyer-Lehnert, and Herbert J. Kramer

753 **Endogenous Sodium Pump Inhibitors in Human Urine: Further Identification of Inhibitors of Na-K-ATPase**
Herbert J. Kramer, Gottfried Krampitz, Angela Bäcker, Harald Michel, Georg Krampitz, and Harald Meyer-Lehnert

761 **Hypertension-Induced Dysfunction of Circulation in Hemorrhagic Shock**
Zivotije Radisavljevic

BRIEF COMMUNICATION

768 **Resistance to Insulin-Mediated Glucose Uptake and Hyperinsulinemia in Women Who Had Preeclampsia During Pregnancy**
Martin M.-T. Fuh, Chang-Sheng Yin, Dee Pei, Wayne H.-H. Sheu, Chii-Yuan Jeng, Y.-D. Ida Chen, and Gerald M. Reaven

NUMBER 8, AUGUST 1995

ORIGINAL CONTRIBUTIONS

773 **Disparate Circadian Variations of Blood Pressure and Body Temperature in Bedridden Elderly Patients With Cerebral Atrophy**
Mitsuhiro Tominaga, Takuya Tsuchihashi, Hideki Kinoshita, Isao Abe, and Masatoshi Fujishima

782 **Autonomic Function in Type I Diabetes Mellitus Complicated by Nephropathy: A Cross-Sectional Analysis in the Presymptomatic Phase**
Larry A. Weinrauch, John A. D'Elia, Ray E. Gleason, Joanne Keough, Denise Mann, and Frank P. Kennedy

790 **White Coat Hypertension and White Coat Effect: Similarities and Differences**
Paolo Verdecchia, Giuseppe Schillaci, Claudia Borgioni, Antonella Ciucci, Ivano Zampi, Roberto Gattobigio, Nicola Sacchi, and Carlo Porcellati

799 **Systemic Hemodynamics and Renal Function During Brain Natriuretic Peptide Infusion in Patients With Essential Hypertension**
Chiara Lazzeri, Franco Franchi, Cristina Porciani, Caterina Fronzaroli, Vincenzo Casini Raggi, Maria Laura De Feo, Massimo Mannelli, Riccardo Maria Cersosimo, and Giorgio La Villa

808 **Quinapril Reduces Microalbuminuria in Essential Hypertensive and in Diabetic Hypertensive Subjects**
Ligia J. Dominguez, Mario Barbagallo, William Kattah, Diego Garcia, and James R. Sowers

815 **Quinapril Decreases Myocardial Accumulation of Extracellular Matrix Components in Spontaneously Hypertensive Rats**
Angel Panizo, Javier Pardo, Marta Hernández, María F. Galindo, Edurne Cenarruzabeitia, and Javier Díez

823 **Glucocorticoid-Induced Hypertension in the Elderly: Relation to Serum Calcium and Family History of Essential Hypertension**
Atsuhisa Sato, John W. Funder, Michihito Okubo, Eiji Kubota, and Takao Saruta

829 **Age Is a Major Determinant of the Divergent Blood Pressure Responses to Varying Salt Intake in Essential Hypertension**
Axel Overlack, Maria Ruppert, Rainer Kolloch, Karin Kraft, and Klaus O. Stumpe

837 **Left Ventricular Diastolic Function in Hypertensive Patients With Unstable Angina and Single Coronary Artery Disease**
Ismail F. Islim, Rajai Ahmad, David Bareford, D. Gareth Beevers, Mike Ebanks, Robert D.S. Watson, and Shyam P. Singh

842 **Alterations of Cytosolic Calcium in Platelets and Erythrocytes of Lyon Hypertensive Rats**
Josef Zicha, Marie-Gabrielle Pernollet, Jarsolav Kuneš, Bernard Lacour, Madeleine Vincent, Jean Sassard, and Marie-Aude Devynck

850 **α_1-Adrenergic Receptors in Cardiac Ventricles of Dahl Rats**
Shuichi Hayashi, Satoshi Umemura, Kazuhiro Ashino, Nobuhito Hirawa, Yoshiyuki Toya, Yasuhiko Abe, and Masao Ishii

BRIEF COMMUNICATION

855 **Association Between Salt Sensitivity and Insulin Concentrations in Patients With Hypertension**
Ivana Zavaroni, Paolo Coruzzi, Luca Bonini, Gian Luigi Mossini, Luisa Musiari, Paola Gasparini, Manuela Fantuzzi, and Gerald M. Reaven

LETTERS TO THE EDITOR

859 ***N*-Acetylcysteine Potentiates the Antihypertensive Effect of Angiotensin Converting Enzyme Inhibitors**
C. Suárez, C. Del Arco, V. Lahera, and L.M. Ruilope

860 **Accuracy and Performance of the Terumo ES-H51, a New Portable Blood Pressure Monitor**
Yutaka Imai

NUMBER 9, SEPTEMBER 1995

ORIGINAL CONTRIBUTIONS

863 **Genetic Polymorphism of the α_2-Adrenergic Receptor Is Associated With Increased Platelet Aggregation, Baroreceptor Sensitivity, and Salt Excretion in Normotensive Humans**
Kalev Freeman, Stephen Farrow, Alvin Schmaier, Robert Freedman, Tony Schork, and Warren Lockette

870 **Metabolic Derangements in Nonmodulating Hypertension**
Cynthia L. Gaboury, Norman K. Hollenberg, Paul N. Hopkins, Roger Williams, and Gordon H. Williams

876 **Effect of Low-Dose Ramipril on Microalbuminuria in Normotensive or Mild Hypertensive Non–Insulin-Dependent Diabetic Patients**
Roberto Trevisan and Antonio Tiengo, for the North-East Italy Microalbuminuria Study Group

884 **Alterations of Calcium Metabolism and of Parathyroid Function in Primary Aldosteronism, and Their Reversal by Spironolactone or by Surgical Removal of Aldosterone-Producing Adenomas**
Ermanno Rossi, Carlo Sani, Franco Perazzoli, Maria Cristina Casoli, Aurelio Negro, and Claudio Dotti

894 **Vitamin D Is Related to Blood Pressure and Other Cardiovascular Risk Factors in Middle-Aged Men**
L. Lind, A. Hänni, H. Lithell, A. Hvarfner, O.H. Sörensen, and S. Ljunghall

902 **Effect of Amlodipine and Felodipine on Sympathetic Activity and Baroreflex Function in Normal Humans**
Steven R. Goldsmith

909 **The Effect of Enalapril on Mortal and Morbid Events in Patients With Hypertension and Left Ventricular Dysfunction**
John B. Kostis

915 **Insulin Induces Medial Hypertrophy of Myocardial Arterioles in Rats**
R. Zimlichman, L. Zeidel, D. Gefel, J. Barg, C. Shahar, Y. Nakash, Z. Matas, S. Gass, and H.E. Eliahou

921 **Volume Sensitive Hypertension and the Digoxin-Like Factor: Reversal by a Fab Directed Against Digoxin in DOCA-Salt Hypertensive Rats**
Henning Krep, Deborah A. Price, Piotr Soszynski, Qing-Feng Tao, Steven W. Graves, and Norman K. Hollenberg

928 **Cilazapril Reverses Endothelium-Dependent Vasodilator Response to Acetylcholine in Mesenteric Artery From Spontaneously Hypertensive Rats**
Ron-Hua Young, Yu-An Ding, Yen-Mei Lee, and Mao-Hsiung Yen

934 **Effects of Hypertrophy and Heart Failure on $[Na^+]_i$ in Pressure-Overloaded Guinea Pig Heart**
Linda A. Jelicks and Francis M. Siri

EDITORIAL

944 **Short-Term Increase in Prostaglandin I_2 Synthesis Caused by Cicletanine in Patients With Essential Hypertension**
Takanori Yasu, Masahito Imanishi, Genjiro Kimura, Tetsu Tsuji, Hiroaki Matsuoka, Morio Kuramochi, and Teruo Omae

BRIEF COMMUNICATION

949 **Glycogen Synthase Activity in Two Rat Models of Hypertension**
S. Farrace, S. Frontoni, S. Gambardella, G. Menzinger, and L. Rossetti

CASE REPORT

954 **Hypertensive Urgency Due to Cholesterol Embolization of Kidneys**
Geza Simon and Stephen L. Archer

NUMBER 10, PART 1, OCTOBER 1995

ORIGINAL CONTRIBUTIONS

957 **Regulation of Parathyroid Hormone and Vitamin D in Essential Hypertension**
Eric W. Young, Cynthia D. Morris, Scott Holcomb, Grace McMillan, and David A. McCarron

965 **Detection of a Circulating Inhibitor of the Na^+-K^+-Cl^- Cotransport System in Plasma and Urine After High Salt Intake**
Immaculada Parés, Alejandro de la Sierra, Antonio Coca, María del Mar Lluch, Alvaro Urbano-Márquez, and Ricardo Garay

970 **Assessment of Salt Sensitivity in Essential Hypertension by 24-h Ambulatory Blood Pressure Monitoring**
Alejandro de la Sierra, María del Mar Lluch, Antonio Coca, María Teresa Aguilera, Miguel Sánchez, Cristina Sierra, and Alvaro Urbano-Márquez

978 **24-h Ambulatory Blood Pressure in 352 Normal Danish Subjects, Related to Age and Gender**
Niels Wiinberg, Asbjørn Høegholm, Hanne R. Christensen, Lia E. Bang, Kim L. Mikkelsen, Poul Ebbe Nielsen, Tage L. Svendsen, Jens P. Kampmann, Niels H. Madsen, and Michael W. Bentzon

987 **The Relation Between Peripheral Vascular Structure, Left Ventricular Hypertrophy, and Ambulatory Blood Pressure in Essential Hypertension**
Inger Sihm, Anne Pauline Schroeder, Christian Aalkjær, Mette Holm, Birgitte Mørn, Michael Mulvany, Kristian Thygesen, and Ole Lederballe

997 **Plasma Adrenomedullin in Patients With Primary Aldosteronism**
Johji Kato, Kazuo Kitamura, Kenji Kuwasako, Miho Tanaka, Yuichiro Ishiyama, Toru Shimokubo, Yoshinari Ichiki, Shigeru Nakamura, Kenji Kangawa, and Tanenao Eto

1001 **Spontaneously Hypertensive Rats Are Resistant to the Development of Hypercholesterolemia**
Robert A. Lindberg, Dale A. Schuschke, and Frederick N. Miller

1009 **Oral Administration of the Nitric Oxide Biosynthesis Inhibitor, *N*-Nitro-L-arginine Methyl Ester (L-NAME), Causes Hypertension, But Not Glucose Intolerance or Insulin Resistance, in Rats**
Arthur Swislocki, Teresa Eason, and George A. Kaysen

1015 **Characterization of Enhanced $^{45}Ca^{2+}$ Efflux in Cultured Vascular Smooth Muscle Cells From Spontaneously Hypertensive Rats**
Shi Chen, Gregory R. Monteith, and Basil D. Roufogalis

1023 **Altered Calcium Homeostasis in Tail Artery Endothelial Cells From Spontaneously Hypertensive Rats**
Rui Wang, Rémy Sauvé, and Jacques de Champlain

1031 **Reversal of the Suppressed Kidney Renin Level in the Hypertensive Transgenic Rat TGR(mRen-2)27 by Angiotensin Converting Enzyme Inhibition**
Yasuo Tokita, Roberto Franco-Saenz, and Patrick J. Mulrow

BRIEF COMMUNICATIONS

1040 **Patients With Borderline Elevated Blood Pressure Have Enhanced Left Ventricular Contractility**
Alan L. Hinderliter, Kathleen C. Light, and Park W. Willis IV

1046 **Low Dose Hydrochlorothiazide (12.5 to 25 mg Daily) as Monotherapy in Black Patients With Mild to Moderate Hypertension: Assessment by Ambulatory Blood Pressure Monitoring**
John Skoularigis, Victor Strugo, Agonia Chopamba, Siwela Setekge, and Pinhas Sareli

LETTER TO THE EDITOR

1051 **Regarding White Coat Hypertension**
Michael F. O'Rourke

NUMBER 10, PART 2, OCTOBER 1995

HYPERTENSION TARGET ORGANS AND THE ROLE OF ANTIHYPERTENSIVES

45S **Stratification of Vascular Risk in Hypertension and Therapeutic Perspective**
Alain Simon and Jaime Levenson

49S **Cardioprotective Potential of Antihypertensives**
Lennart Hansson

53S **Are Antihypertensive Drugs Similar in Protecting the Kidney?**
Eberhard Ritz

59S **Organ Protection and Optimal Blood Pressure Control**
Peter A. Meredith

TRANDOLAPRIL

63S **Vascular Affinity of Trandolapril**
Mizuo Miyazaki, Tatsuhiko Kawamoto, and Hideki Okunishi

68S **Trandolapril: A Clinical Profile**
Peter W. de Leeuw

71S **Permanent Blood Pressure Control Over the 24 h by Trandolapril**
Stefano Omboni, Antonella Ravogli, Alessandra Villani, and Giuseppe Mancia

75S **Duration of Action of Angiotensin Converting Enzyme Inhibitors**
Faiez Zannad

82S **Compliance in the Treatment of Hypertension: A Need for Action**
R.W. Sanson-Fisher and K. Clover

NUMBER 11, NOVEMBER 1995

ORIGINAL CONTRIBUTIONS

1053 **Polymorphism in ALDH2-Genotype in Japanese Men and the Alcohol-Blood Pressure Relationship**
Ikiko Tsuritani, Eriko Ikai, Takayasu Date, Yasuhito Suzuki, Masao Ishizaki, and Yuichi Yamada

1060 **Lewis Phenotypes and the Insulin Resistance Syndrome in Young Healthy White Men and Women**
Jesper O. Clausen, Hans Ole Hein, Poul Suadicani, Kaj Winther, Finn Gyntelberg, and Oluf Pedersen

1067 **Effect of Weight Loss on Blood Pressure and Insulin Resistance in Normotensive and Hypertensive Obese Individuals**
Hsiu-Yueh Su, Wayne H.-H. Sheu, Huei-Min L. Chin, Chii-Yuan Jeng, Y.-D. Ida Chen, and Gerald M. Reaven

1072 **An In-depth Examination of the Excretion of Albumin and Other Sensitive Markers of Renal Damage in Mild Hypertension**
Patricia W. Mueller, W. Dallas Hall, Samuel P. Caudill, Mary Louise MacNeil, and Arvin Arepally

1083 **Comparison of Fourth and Fifth Korotkoff Diastolic Blood Pressures in 5 to 30 Year Old Individuals: The Bogalusa Heart Study**
Isaac W. Hammond, Elaine M. Urbina, Wendy A. Wattigney, Weihang Bao, William C. Steinmann, and Gerald S. Berenson

1090 **Effect of Acute and Chronic Losartan Therapy on Active and Inactive Renin and Active Renin Glycoforms**
John A. Opsahl, Michael R. Goldberg, and Stephen A. Katz

1099 **The Effectiveness and Safety of Low Dose Pravastatin in Elderly Hypertensive Hypercholesterolemic Subjects on Antihypertensive Therapy**
Paul Chan, Ching-Bing Lee, Tz-Shing Lin, Jiing-Tang Ko, Wen-Harn Pan, and Ying-Shiung Lee

1105 **Angiotensins Differentially Activate Phospholipase D in Vascular Smooth Muscle Cells From Spontaneously Hypertensive and Wistar-Kyoto Rats**
Ernest J. Freeman, Carlos M. Ferrario, and E. Ann Tallant

1112 **Applied Pressure Modulates Mesangial Cell Proliferation and Matrix Synthesis**
Joseph Mattana and Pravin C. Singhal

1121 **Pharmacological Properties of Endothelins and Big Endothelins in Ketamine/Xylazine or Urethane Anesthetized Rats**
Jean-Philippe Gratton, Marie-Claude Maurice, Giles A. Rae, and Pedro D'Orléans-Juste

1128 **Prolonged Endothelin Blockade Prevents Hypertension and Cardiac Hypertrophy in Stroke-Prone Spontaneously Hypertensive Rats**
Johannes-Peter Stasch, Claudia Hirth-Dietrich, Klaus Frobel, and Max Wegner

1135 **Sodium Ions Attenuate the Inhibitory Effects of Neuropeptide Y on Norepinephrine Release in Rat Hypothalamus**
Kazushi Tsuda, Seiko Tsuda, Menek Goldstein, and Yoshiaki Masuyama

BRIEF COMMUNICATION

1141 **Immunopathogenic Mechanisms in Hypertension**
N. Lefkos, P. Boura, G. Boudonas, E. Zacharioudaki, A. Efthimiadis, M. Tsougas, and P. Epivatianos

1146 ERRATUM

NUMBER 12, PART 1, DECEMBER 1995

ORIGINAL CONTRIBUTIONS

1147 **Effect of Atenolol and Reserpine on Selected Events in the Systolic Hypertension in the Elderly Program (SHEP)**
John B. Kostis, Kenneth G. Berge, Barry R. Davis, C. Morton Hawkins, and Jeffrey Probstfield, for The SHEP Cooperative Research Group

1154 **Antihypertensive Effects of Amlodipine and Hydrochlorothiazide in Elderly Patients With Ambulatory Hypertension**
Yves Lacourcière, Luc Poirier, Jean Lefebvre, Françine Archambault, Jean Cléroux, and Guy Boileau

1160 **Gender-Specific Cardiovascular Adaptation Due to Circadian Blood Pressure Variations in Essential Hypertension**
Roland E. Schmieder, Jürgen K. Rockstroh, Franz Aepfelbacher, Bernd Schulze, and Franz H. Messerli

1167 **Developmental Studies Demonstrate Age-Dependent Elevation of Renin Activity in TGR(mRen2)27 Rats**
Murielle Véniant, Caroline E. Whitworth, Joël Ménard, Matthew G.F. Sharp, Marie-Françoise Gonzales, Patrick Bruneval, and John J. Mullins

1177 **The Effects of Angiotensin II Receptor Blockade With Losartan on Systemic Blood Pressure and Renal and Extrarenal Prostaglandin Synthesis in Women With Essential Hypertension**
Michael C. Smith, Susan Barrows, Anne Meibohm, Shahnaz Shahinfar, Roger L. Simpson, Kelly Weigel, and Michael J. Dunn

1184 **Caffeine Elevates Blood Pressure Response to Exercise in Mild Hypertensive Men**
Bong Hee Sung, William R. Lovallo, Thomas Whitsett, and Michael F. Wilson

1189 **A New Adenosine Subtype-1 Receptor Antagonist, FK-838, Attenuates Salt-Induced Hypertension in Dahl Salt-Sensitive Rats**
Yoshio Uehara, Atsushi Numabe, Nobuhito Hirawa, Yukari Kawabata, Hiroshi Nagoshi, Hiroshi Kaneko, Tomoko Gomi, Atsuo Goto, Teruhiko Toyo-oka, and Masao Omata

1200 **Hypertension and Sleep Apnea in Black South Africans: A Case Control Study**
Peter R. Bartel, Magriet Loock, Cornelis van der Meyden, Elna Robinson, and Pieter Becker

1206 **Power Spectral Analysis of Heart Period Variability in Hypertensive Patients With Left Ventricular Hypertrophy**
Mario Petretta, Fortunato Marciano, Valter Bianchi, Marie Luise Migaux, Giuseppe Valva, Nicola De Luca, Luigi Salemme, Sabino Berardino, and Domenico Bonaduce

1214 **Treatment of Non–Insulin-Dependent Diabetic Hypertensive Patients With Ca^{2+} Channel Blockers Is Associated With Increased Platelet Sensitivity to Insulin**
R.M. Touyz and E.L. Schiffrin

1222 **Color-Coded Duplex Sonography for Noninvasive Diagnosis and Grading of Renal Artery Stenosis**
Klaus-Peter Spies, Franz Fobbe, Mohammed El-Bedewi, Karl-Jürgen Wolf, Armin Distler, and Karl-Ludwig Schulte

1232 **Effects of 2,3-Butanedione Monoxime on Blood Pressure, Myocardial Ca^{2+} Currents, and Action Potentials of Rats**
Yong-Fu Xiao and Joseph J. McArdle

LETTER TO THE EDITOR

1241 **Effects of Discontinuing Hormone Replacement Therapy in Patients With Uncontrolled Hypertension**
John Zarifis, Gregory Y.H. Lip, and D. Gareth Beevers

1243 LIST OF REVIEWERS

INDEX FOR VOLUME 8, 1995

1246 **Subject Index**

1252 **Author Index**

1290 **Cumulative Table of Contents**

NUMBER 12, PART 2, DECEMBER 1995

89S **Hypertension in Special Populations: Introduction**
Barry J. Materson

91S **Lessons on the Interaction of Race and Antihypertensive Drugs From the VA Cooperative Study Group on Antihypertensive Agents**
Barry J. Materson

94S **Hypertension and Other Cardiovascular Risk Factors in Women**
Nanette K. Wenger

100S **Hypertension in Patients With Diabetes Mellitus**
Jay S. Skyler, Jennifer B. Marks, and Neil Schneiderman

106S **Hypertension in Children and Adolescents**
Bonita Falkner and Robert H. Sadowski

111S **Hypertension in East Asia**
Daniel W. Jones

115S Hypertension in Minorities: Blacks
Elijah Saunders

120S Hypertension in Hispanics: Comments on a Major Disease in a Mix of Ethnic Groups
Manuel Martinez-Maldonado

124S Hypertension and Other Cardiac Risk Factors Among Asian Indians
C. Venkata S. Ram

128S Mechanisms for Interethnic Differences in Antihypertensive Drug Response
Alastair J.J. Wood